

# **State of Hawaii Civil Defense U.S. Department of the Interior Seismic Safety Program**

## ***Earthquake Safety Workshops Agenda***

### **DAY 2 - Structural Seismic Safety Program Issues Workshop**

**8:30 - 8:45     Welcome to Day 2**

John Baals, Interior Seismic Safety Co-coordinator and Bureau of Reclamation Building Seismic Safety Program Manager, will welcome the attendees to Day 2 of the Workshop, where briefings will be provided on specific issues from the Interior Seismic Safety Program.

**8:45 - 9:15     Summary of the Federal Mandates for Seismic Safety**

Mr. John Baals will summarize the Executive Orders and Public Laws that require Federal Agencies to identify and mitigate unacceptable seismic risks in federally-owned buildings.

**9:15 – 10:00   Introduction to the Rapid Visual Screening Inspection Process**

John Baals will give an overview of the Rapid Visual Screening, or RVS, process. The RVS process is a valuable inventory screening and planning tool. The RVS process produces a score for a building indicative of the building performance during the earthquake anticipated for the specific site.

**10:00 – 10:10   Break**

**10:10 - 10:45   Completion of the Rapid Visual Screening Inspection Process**

John Baals will present the determination of the Model Building Type, RVS Performance Modification Factors, a description of the RVS inspection process and completing the RVS form, and RVS examples. Hands-on training will include RVS scores generated by the attendees on example buildings, during the session.

**10:45 - 11:00   Break**

**11:00 - 12:00   Rapid Visual Screening Inspection - Field Exercise**

The attendees will apply the RVS Inspection process to actual, on-site buildings. John Baals, Rodney Barthel and Tim Brown will divide the attendees into 3 inspection groups. The exercise will include walking through the identified buildings to perform the RVS inspection and complete the RVS scoring forms. The attendees will then reconvene in the Workshop to discuss their observations and RVS scoring.

**12:00 - 1:00     Lunch**

**State of Hawaii Civil Defense  
U.S. Department of the Interior  
Seismic Safety Program**

***Earthquake Safety Workshops Agenda***

**DAY 2 - Structural Seismic Safety Program Issues Workshop – Continued**

- 1:00 - 1:30     RVS Inspection - Field Exercise Closeout Session  
The final RVS inspection, from the RVS Field Exercise will be completed by John Baals and presented to the attendees.
- 1:30 - 2:15     A Summary of Seismic Evaluation Tools  
The state-of-the-art tools employed by the federal government to evaluate the seismic safety of federally-owned buildings will be presented by Rodney Barthel. Evaluation tools to be summarized include FEMA 178, FEMA 310 and versions of the ASCE 31 documents. The evolution of the various evaluation tools will be presented along with the primary considerations of each tool.
- 2:15 - 3:10     Building Life Safety Risk Assessment  
John Baals will present the methodology developed by the Interior Seismic Safety Program to estimate the seismic risk of buildings. The automated program will be distributed to all attendees along with a users guide. Examples will be presented to demonstrate the user input and system output for estimating life-safety seismic risk.
- 3:10 - 3:20     Break
- 3:20 - 4:00     Automated Procedures  
The RVS and Nonstructural Hazard Quantification inspection processes have been automated to run on a handheld, or palmtop computer. Tim Brown will summarize the automation which will include the generation of automated, database-driven reports.
- 4:00             Adjourn